

ATRAS ONLY
FORM # 12 characters inches

Form Approved OMB No. 1017-0175

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program
Read the "General Instructions" before starting 1

EPA I.D. NUMBER
M I D 0 0 5 3 6 3 1 1 4

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space has the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

PLEASE PLACE LABEL IN THIS SPACE

OWNER NAME
FACILITY MAILING ADDRESS
FACILITY LOCATION

POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
1. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
2. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
3. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X		X	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
4. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	X		
5. Is this facility a proposed stationary source which is one of the 23 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 23 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

NAME OF FACILITY

PENNWALT CORPORATION - WYANDOTTE PLANT

FACILITY CONTACT

A. NAME & TITLE (last, first, & title)

B. PHONE (area code & no.)

HEINEMAN R. A. - MGR ENERGY & ENVIR 313 285 9200

FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

1655 BIDDLE AVENUE

B. CITY OR TOWN

WYANDOTTE

C. STATE D. ZIP CODE

MI 48192

US EPA RECORDS CENTER REGION 5



FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

1655 BIDDLE AVENUE

B. COUNTY NAME

WYNE

C. CITY OR TOWN

WYANDOTTE

D. STATE E. ZIP CODE

MI 48192

F. COUNTY CODE (if known)

A. FIRST

B. SECOND

269 (specify) Industrial Organic Chemicals
Not Elsewhere Classified

2812 (specify) Alkalis and Chlorides

C. THIRD

D. FOURTH

2819 (specify) Industrial Inorganic Chemicals,
Not Elsewhere Classified

2879 (specify) Agricultural Chemicals,
Elsewhere Classified (Definite)

I. OPERATOR INFORMATION

A. NAME

PENNWALT CORPORATION - WYANDOTTE PLANT

Section VIII-A
owner?

YES NO

66

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

D. PHONE (area code & no.)

FEDERAL M = PUBLIC (other than federal or state)
STATE O = OTHER (specify)
PRIVATE

P (specify)

N/A

313 285 9200

E. STREET OR P.O. BOX

555 BIDDLE AVENUE

F. CITY OR TOWN

WYANDOTTE

G. STATE

MI

H. ZIP CODE

48192

I. INDIAN LAND

Is the facility located on Indian land?

YES NO

52

XIS. ENVIRONMENTAL PERMITS

A. DES (Discharges to Surface Water)

D. PSD (Air Emissions from Proposed Sources)

MI 0002381

N/A

B. UIC (Underground Injection of Fluids)

E. OTHER (specify)

9

(specify)

Air - See Attached Sheet

C. RCRA (Hazardous Wastes)

E. OTHER (specify)

(specify)

Brine & Storage Wells -
See Attached Sheet

TAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements. Please see original application.

NATURE OF BUSINESS (provide a brief description)

This facility manufactures a number of industrial chemicals, both organic and inorganic. Organic products include lower alkyl and alkylalkanol amines, t. nonyl polysulfide, crude endothall acid, sodium hydrosulfide, tert-amyl phenols, thioureas, and methane sulfonyl chloride and methane sulfonic acid. Inorganic operations are primarily chlor-alkali utilizing metal anode diaphragm cells. Also ferric chloride and hydrochloric acid are produced.

CERTIFICATION (see instructions)

I hereby certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)

S. Custer, Vice President -
Chemicals

B. SIGNATURE

Robert S Custer

C. DATE SIGNED

8-17-82

SPACES FOR OFFICIAL USE ONLY

DATE RECEIVED

- *Item III, Line 3, S03, This item represents a curbed concrete slab used only for emergency storage of waste which is normally removed to off-site disposal directly from process vessels (tanks) by a licensed transporter. Also see Supplemental Information, Item III, Lines 18 & 19, Page 4 of 5.
- **Item III, Lines 4, 5 & 6, T01, S02, & S04 respectively. Permitted NPDES Wastewater Treatment Facilities. Please see Summary of Revisions.

DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number(s) of the waste(s) subject to this report. If the waste is not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristic or toxic contaminant(s) of these hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled in an annual period. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that are handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used are listed in appropriate units.

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS	P	KILOGRAMS	K
TONS	T	METRIC TONS	M

If any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure using information on the appropriate density or specific gravity of the waste.

D. PROCESSES
PROCESS CODES

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous waste(s) that possess that characteristic or toxic contaminant.

Not more than four codes are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "00" in the extra right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.

In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) of that line enter "included with above" and make no other entries on that line.

Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome dyes from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes have only acid there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

A. EPA HAZARDOUS WASTE NUMBER (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
			1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in 1)
X-1 053	900	P	T 0 3 D 8 0	
X-2 002	400	P	T 0 3 D 8 0	
X-3 001	100	P	T 0 3 D 8 0	
X-4 002				included with above

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DUP

DUP

LIST OF HAZARDOUS WASTES

B. ESTIMATED ANNUAL QUANTITY OF WASTE

1. PROCESS CODES

2. PROCESS DESCRIPTION

Line	Code	Quantity	Type	Process Codes		Description
				1	2	
1	K 0 6 2	19,950,000	P	S 0 2		
2	P 0 2 2	200	P	S 0 1		
3	U 0 1 3	500	P	S 0 1		
4	U 0 3 1	1,200	P	S 0 1 S 0 2		
5	U 0 7 5	350	P	S 0 1		
6	U 0 9 2	1,200	P	S 0 1 S 0 2		
7	U 1 1 0	12,000	P	S 0 1 S 0 2		
8	U 1 1 5	300	P	S 0 1		
9	U 1 2 1	350	P	S 0 1		
10	U 2 2 9	Deleted				Same as U121. See Federal Register, Nov. 25, 1980, from §261.33 (f).
11	U 1 2 4	800	P	S 0 1		
12	U 1 4 0	700	P	S 0 1 S 0 2		
13	U 1 4 7	1,300	P	S 0 1		
14	U 1 8 8	8,500	P	S 0 1 S 0 2		
15	U 1 9 4	13,500	P	S 0 1 S 0 2		
16	D 0 0 1	8,500,000	P	S 0 1 S 0 2		
17	D 0 0 2	4,510,000	P	S 0 1 S 0 2		
18	D 0 0 2	Deleted*) See Federal Register, October 30, 1980, § 261.4 (c).
19	D 0 0 7					
20	D 0 0 2	3,400,000	P	S 0 1 S 0 2		
21	D 0 0 3					Included above - Line 20
22	P 0 8 3	200	P	S 0 1		Added - inadvertently omitted previously
23	U 1 5 3	2,700	P	S 0 1		" " "

* See Supplemental Information, Item IV-E, Page 4 of 5

Station used only for normally removed vessels (tanks) information, water

Item IV, Line 1, Page 3 of 5 represents a raw material used in the manufacture

Item IV, Lines 18 & 19, Page 3 of 5. These items removed since waste is normally removed directly from process vessels by licensed transporter to Permitted disposal facility. "waste-pile" storage slab indicated in the original application is a curbed, concrete slab, any liquid being drained back to the originating process for recycle. This is for emergency use, only, and in such case, storage would be for less than 90 days.

U.S. EPA I.D. NO. (enter from page 1)

M 1 0 0 0 5 3 6 3 1 1 4

FACILITY DRAWING

existing facilities must include photographs (aerial or ground level) of the existing site, including treatment and disposal areas, and sites of future storage, treatment or disposal operations for materials.

PHOTOGRAPHS

existing facilities must include photographs (aerial or ground level) of the existing site, including treatment and disposal areas, and sites of future storage, treatment or disposal operations for materials.

Please see original application

FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)				LONGITUDE (degrees, minutes, & seconds)			
4	2	11	000	0	83	09	030

F. FACILITY OWNER

- A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the right and skip to Section IX below.
- B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER		2. PHONE NO.	
*Pennwalt Corporation *(See attached sheet for supplemental information)		211 5-587 7000	
3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
Three Parkway	Philadelphia	P.A.	19102

OWNER CERTIFICATION

I, the undersigned, certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all other applications, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
R. S. Custer Vice President - Chemicals	Robert S Custer	8-17-82

OPERATOR CERTIFICATION

I, the undersigned, certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all other applications, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME (print or type)	B. SIGNATURE	C. DATE SIGNED
J. Bogen Plant Manager	John Bogen	8/13/82

EPA Consolidated Permits Program
Form 1 - General Information (REVISED)

E.P.A. I.D. No. MID 005363114

SUPPLEMENTAL INFORMATION:

Item X. - Existing Environmental Permits

- E. OTHER: Wayne County (Michigan) Department of Health -
Air Pollution Control Division

Certificates of Operation:

APC-1-00842 through APC-1-00847
APC-1-00850 through APC-1-00854
APC-1-00860 through APC-1-00869
APC-1-00873 through APC-1-00885

- E. OTHER: State of Michigan Department of Natural Resources -
Geological Survey Division, Mineral Wells Section

Disposal Well Permit No's.*

Mineral Well Permit No's.

47-736-882
48-736-882
49-736-882

153-746-782
171-756-782
278-787-782
279-787-782
280-787-782 (cemented closed)
281-787-782
282-787-782
283-787-782
284-786-782
285-787-782
010-734-782
011-734-782
012-734-782
013-734-782
257-784-782
258-784-782

*These wells are non-hazardous facilities

